



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090492

Mode: Highway

Status: Submitted

## US-64, US-70 (Garner Bagnel Road)

From/Cross Street: I-40

Specific Improvement Type: 1 - Widen Existing Roadway

To: I-77

Project Category: Regional Impact

Length: 4.66

TIP#: U-4749

Fully Funded in Draft STIP? No

Cost to NCDOT: \$31,731,000

### Description:

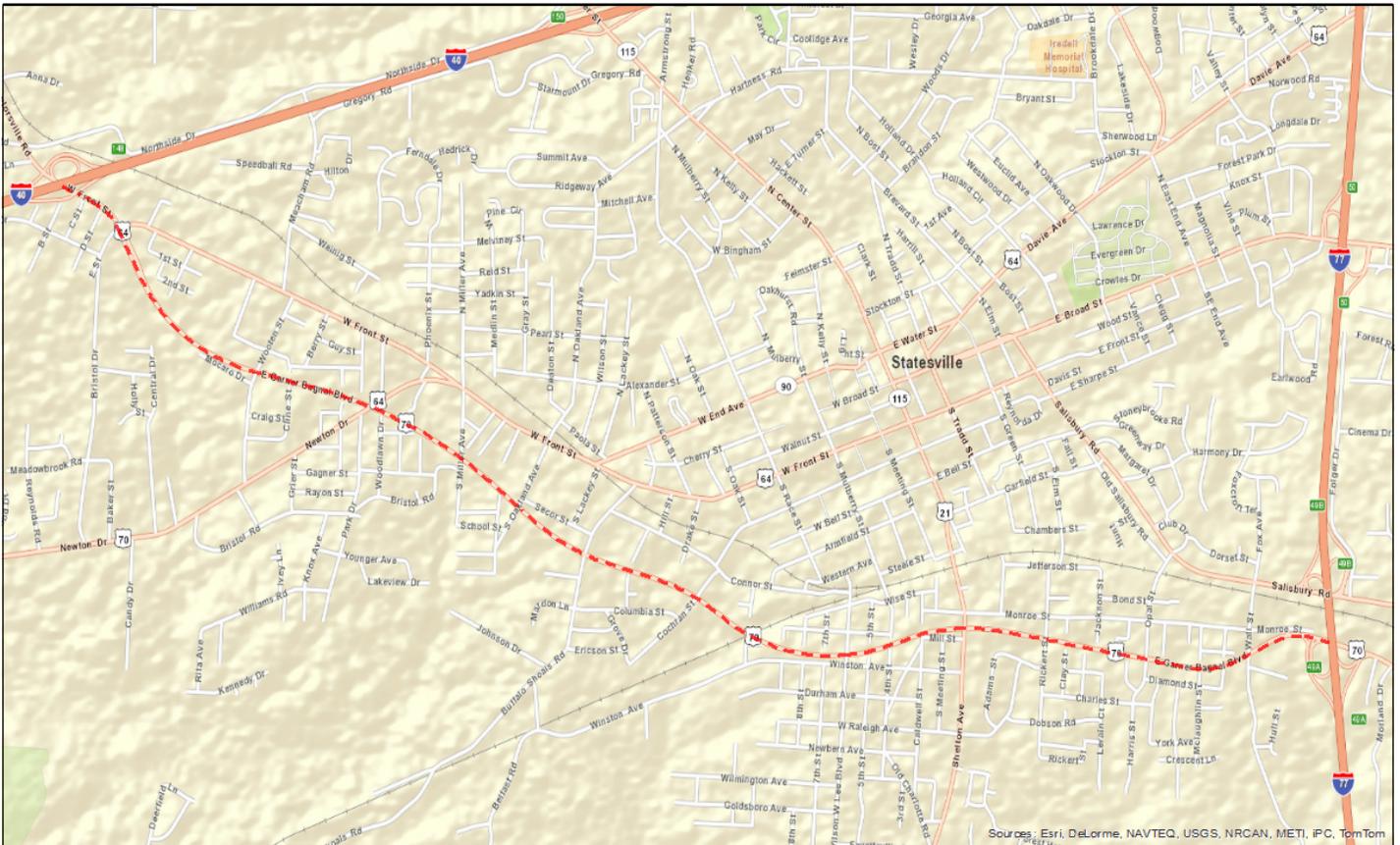
I-40 to I-77. Widen to Four Lane Divided Facility.

Division(s): Division 12

County(s): IREDELL

MPOS(s)/RPO(s): Charlotte Regional Transportation Planning Organization

### Project Location



**Statewide Mobility Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	N/A	N/A
<b>Totals: Weight: 0% Weighted Score: 0</b>		

**Regional Impact Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 39.73	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 66.52		
[Travel Time] Benefit/Cost (25%) 0.87		
Accessibility / Connectivity (10%) 3.92		
<b>Totals: Weight: 70% Weighted Score: 17.19</b>		

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 39.73	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 66.52		
[Travel Time] Benefit/Cost (20%) 0.87		
<b>Totals: Weight: 50% Weighted Score: 14.77</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	41
Length (miles);	4.66
Facility Type:	Arterial
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	3
Roadway has Curb & Gutter?	No
Volume (AADT):	11762.93
Capacity:	20150.04
Volume/Capacity Ratio:	0.58
% Autos:	92%
% Trucks:	8%
Truck Volume:	921.96
Crash Density:	62.73
Crash Severity:	87.71
Critical Crash Rate:	49.13
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	72
Actual Congested Speed:	28.8
Travel Time Index:	1.15

**Project Benefits**

Project Cross-Section:	4D - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, Bike Lanes, and Sidewalks
Speed Limit:	41
Length (miles):	4.66
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	1217200.32
Travel Time Savings for 30 Years (Autos):	1121797.73
Travel Time Savings for 30 Years (Trucks):	95402.59
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 12

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

**Project Ownership**

**Division**

Division	Percent	Regional Impact	Division Needs
Division 12	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
Charlotte Regional Transportation Planning Organization	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$31,464,000	TIP Unit
Right-of-Way Cost:	\$238,000	Cost Estimation Tool
Utilities Cost:	\$29,000	Cost Estimation Tool
Total Project Cost:	\$31,731,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$31,731,000</b>	